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SEQUENCE LISTING

<110> Hampel, Arnold  
Tritz, Richard

<120> RNA CATALYST FOR CLEAVING SPECIFIC RNA SEQUENCES

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<141> 2003-09-15

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<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous DNA

<400> 78  
tgcccgtctg ttgtgt 16

<210> 79

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous DNA

<400> 79

tgcccgtctg ttgt

14

<210> 80

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous DNA

<400> 80

tgcccgtctg ttatgt

16

<210> 81

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous DNA

<400> 81  
tgcccatctg ttgt

14

<210> 82

<211> 59

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous RNA

<400> 82  
gggagucaca caacaagaag gcaaccagag aaacacacgu ugugguauau uaccuggua

59

<210> 83

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous RNA

<400> 83  
gcgugcccgu cuguugugu

19

<210> 84

<211> 189

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous DNA

<400> 84  
gggaattcga gctcgggtacc cggggatccc tcgaggatcc acacaacaag aaggcaacca 60  
gagaaacaca cgttgtggta tattacctgg tacgcgtgac agtcctgttt cctccaaaca 120  
gagaagtcaa ccagagaaac acacgttgtg gtatattacc tggtagtcga cctgcaggca 180  
tgcaagctt 189

<210> 85

<211> 159

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous DNA

<400> 85  
cccggggatc cctcgaggat ccacacaaca agaaggcaac cagagaaaca cacgttgtgg 60  
tatattacct ggtacgcgtg acagtcctgt ttctccaaa cagagaagtc aaccagagaa 120

acacacgttg tggtatatta cctggtagtc gacctcgag 159

<210> 86

<211> 153

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous DNA

<400> 86

gctagcccgg ggatcctcgc catagaagaa taccagagaa acacacgttg tggtatatta 60

cctggtagcg gtagacgtcc tgtttcctcc aaacagagaa gtcaaccaga gaaacacacg 120

ttgtggtata ttacctggta gtcgacctcg agg 153

<210> 87

<211> 150

<212> DNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous DNA

<400> 87

cccgggggac cttgagcaac tagaagaaaa ccagagaaac acacgttggtg gtatattacc 60

tggtaacgcg tgacagtcct gtttcctcca aacagagaag tcaaccagag aaacacacgt 120

tgtggtatat tacctggtag tcgacctcga 150

<210> 88

<211> 51

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous RNA

<220>

<221> misc\_feature

<222> (1)..(7)

<223> n=g,a,c or t(u)

<220>

<221> misc\_feature

<222> (13)..(15)

<223> n=g,a,c or t(u)

<400> 88

nnnnnnnaga asnnnaccag agaaacacac guugugguau auuaccuggu a

51

<210> 89

<211> 15

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous RNA

<220>

<221> misc\_feature

<222> (1)..(3)

<223> n=g,a,c or t(u)

<220>

<221> misc\_feature

<222> (5)..(5)

<223> n=g,a,c or t(u)

<220>

<221> misc\_feature

<222> (9)..(15)

<223> n=g,a,c or t(u)

<400> 89  
nnnsngucnn nnnnn

15

<210> 90

<211> 18

<212> RNA

<213> Artificial sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<223> miscellaneous RNA

<400> 90  
cacggacuuc gguccgug

18



<210> 91  
 <211> 7  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Ribozyme, portion of ribozyme or ribozyme target substrate  
 <400> 91  
 gggaguc

7

<210> 92  
 <211> 5  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Ribozyme, portion of ribozyme or ribozyme target substrate  
 <220>  
 <221> misc\_feature  
 <222> (2)..(2)  
 <223> n=a,g,u,c

<220>  
 <221> misc\_feature  
 <222> (1)..(1)  
 <223> s=g or c

<400> 92  
 snguc

5

<210> 93  
 <211> 5  
 <212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<400> 93  
accag

5

<210> 94

<211> 6

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<400> 94  
cuggua

6

<210> 95

<211> 7

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<400> 95  
agaaaca

7

<210> 96

<211> 9

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<400> 96  
guauauuac

9

<210> 97

<211> 5

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<400> 97  
ccucc

5

<210> 98

<211> 9

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<400> 98  
guauauuac

9

<210> 99

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (5)..(5)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (13)..(13)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (6)..(6)

<223> n is from 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n is from 3 to 6 base pairs having a predetermined sequence such that it base pairs with 3 to 6 base pairs of n(19)

<220>

<221> misc\_feature

<222> (19)..(19)

<223> n is from 3 to 6 base pairs having a predetermined sequence such that it base pairs with 3 to 6 base pairs of n(7)

<220>

<221> misc\_feature

<222> (8)..(8)

<223> n represents 3 to 7 base pairs having a predetermined sequence

<220>

<221> misc\_feature

<222> (9)..(9)

<223> n has at least 3 base nucleotides having a predetermined sequence such that it base pairs with at least 3 bases of n(11)

<220>

<221> misc\_feature

<222> (11)..(11)

<223> n has at least 3 base nucleotides having a predetermined sequence such that it base pairs with at least 3 bases of n(9)

<220>

<221> misc\_feature

<222> (10)..(10)

<223> n represents an oligonucleotide which may be present or absent having at least 3 nucleotides

<400> 99

nngannnnnn nanauuacn

19

<210> 100

<211> 6

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (6)..(6)

<223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (5)..(5)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<400> 100  
nngann

6

<210> 101

<211> 14

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<400> 101  
acugaagaga caaa

14

<210> 102

<211> 60

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(7)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (12)..(15)

<223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<400> 102  
nnnnnnnaga annnnaccag agaaacacac ggacuucggu ccgugguaua uuaccuggua 60

<210> 103

<211> 25

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (6)..(6)

<223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (5)..(5)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (13)..(13)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (19)..(19)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different



&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (7)..(7)

&lt;223&gt; n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(25)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (25)..(25)

&lt;223&gt; n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (15)..(15)

&lt;223&gt; n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(17)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (17)..(17)

&lt;223&gt; n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(15)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (16)..(16)

&lt;223&gt; n is greater than or equal to 3 nucleotides which represents an oligonucleotide which may be present or absent

&lt;400&gt; 103

nngannnaga aanannnana uuacn

25

&lt;210&gt; 104

&lt;211&gt; 25

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (6)..(6)

<223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(25)

<220>

<221> misc\_feature

<222> (25)..(25)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

<220>

<221> misc\_feature

<222> (15)..(15)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(17)

<220>

<221> misc\_feature

<222> (17)..(17)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(15)

<220>

<221> misc\_feature

<222> (16)..(16)

<223> n is at greater than or equal to 3 nucleotides which represent ofigonucleotide which may be present or absent.

<400> 104

nagaannaga aacannnaua uuacn

25

<210> 105

<211> 25

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (6)..(6)

<223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(25)

<220>

<221> misc\_feature

<222> (25)..(25)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

<220>

<221> misc\_feature

<222> (15)..(15)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(17)

<220>

<221> misc\_feature

<222> (17)..(17)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(15)

<220>

<221> misc\_feature

<222> (16)..(16)

<223> n is greater than or equal to 3 nucleotides which represents an oligonucleotide which may be present or absent

<400> 105  
nagagnnaga aacannnaua uuacn

25

<210> 106

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (6)..(6)

<223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (13)..(13)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(19)

<220>

<221> misc\_feature

<222> (19)..(19)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

<220>

<221> misc\_feature

<222> (8)..(8)

<223> n is from 3 to 7 nucleotides representing an oligonucleotide having a predetermined sequence

<220>

<221> misc\_feature

<222> (9)..(9)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(11)

<220>

<221> misc\_feature

<222> (11)..(11)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(9)

<220>

<221> misc\_feature

<222> (10)..(10)

<223> n is greater than or equal to 3 nucleotides which represent an oligonucleotide which may be present or absent

<400> 106  
nngaannnn nanauuacn

19

<210> 107

<211> 19  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Ribozyme, portion of ribozyme or ribozyme target substrate  
 <220>  
 <221> misc\_feature  
 <222> (1)..(1)  
 <223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>  
 <221> misc\_feature  
 <222> (6)..(6)  
 <223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>  
 <221> misc\_feature  
 <222> (2)..(2)  
 <223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>  
 <221> misc\_feature  
 <222> (13)..(13)  
 <223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>  
 <221> misc\_feature  
 <222> (7)..(7)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(19)

<220>

<221> misc\_feature

<222> (19)..(19)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

<220>

<221> misc\_feature

<222> (9)..(9)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(11)

<220>

<221> misc\_feature

<222> (11)..(11)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(9)

<220>

<221> misc\_feature

<222> (10)..(10)

<223> n is greater than or equal to 3 nucleotides which represents an oligonucleotide which may be present or absent

<220>

<221> misc\_feature

<222> (8)..(8)

<223> n is 3 to 7 base-pairs oligonucleotide having a predetermined sequence

<400> 107  
nngagnnnnn nanauuacn

19



<210> 108  
 <211> 19  
 <212> RNA  
 <213> Artificial Sequence

<220>  
 <223> Ribozyme, portion of ribozyme or ribozyme target substrate  
 <220>  
 <221> misc\_feature  
 <222> (1)..(1)  
 <223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>  
 <221> misc\_feature  
 <222> (6)..(6)  
 <223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>  
 <221> misc\_feature  
 <222> (7)..(7)  
 <223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(19)

<220>  
 <221> misc\_feature  
 <222> (19)..(19)  
 <223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

<220>  
 <221> misc\_feature

<222> (9)..(9)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(11)

<220>

<221> misc\_feature

<222> (11)..(11)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(9)

<220>

<221> misc\_feature

<222> (10)..(10)

<223> n is greater than or equal to 3 nucleotides which represent an oligonucleotide which may be present or absent

<220>

<221> misc\_feature

<222> (8)..(8)

<223> n is 3-7 oligonucleotide having predetermined sequence

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (5)..(5)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (13)..(13)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<400> 108  
nngannnnnn nanauuacn

19

<210> 109

<211> 25

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (6)..(6)

<223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (2)..(2)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (5)..(5)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (8)..(8)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (19)..(19)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(25)

<220>

<221> misc\_feature

<222> (25)..(25)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

<220>

<221> misc\_feature

<222> (15)..(15)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(17)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (17)..(17)

&lt;223&gt; n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(15)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (16)..(16)

&lt;223&gt; n is greater than or equal to 3 nucleotides which represents an oligonucleotide which may be present or absent

&lt;400&gt; 109

nngannnga aacannnana uuacn

25

&lt;210&gt; 110

&lt;211&gt; 25

&lt;212&gt; RNA

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Ribozyme, portion of ribozyme or ribozyme target substrate

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1)

&lt;223&gt; n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (6)..(6)

&lt;223&gt; n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

&lt;220&gt;

<221> misc\_feature

<222> (2)..(2)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (5)..(5)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

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<222> (19)..(19)

<223> n represents a ribonucleotide, deoxyribonucleotide, phosphorothioate, or modified nucleotide which may be the same or different

<220>

<221> misc\_feature

<222> (7)..(7)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(25)

<220>

<221> misc\_feature

<222> (25)..(25)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

<220>

<221> misc\_feature

<222> (15)..(15)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(17)

<220>

<221> misc\_feature

<222> (17)..(17)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(15)

<220>

<221> misc\_feature

<222> (16)..(16)

<223> n is greater than or equal to 3 nucleotides which represent an oligonucleotide which may be present or absent

<400> 110

nngannnaga aacannnana uuacn

25

<210> 111

<211> 25

<212> RNA

<213> Artificial Sequence

<220>

<223> Ribozyme, portion of ribozyme or ribozyme target substrate

<220>

<221> misc\_feature

<222> (1)..(1)

<223> n is 3 or more nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

<220>

<221> misc\_feature

<222> (6)..(6)

<223> n is 3 to 5 nucleotides having a predetermined sequence which is capable of hybridizing with an RNA target sequence

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (7)..(7)

&lt;223&gt; n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(25)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (25)..(25)

&lt;223&gt; n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (15)..(15)

&lt;223&gt; n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(17)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (17)..(17)

&lt;223&gt; n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(15)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (16)..(16)

&lt;223&gt; n is greater than or equal to 3 nucleotides which represent an oligonucleotide which may be present or absent

&lt;400&gt; 111

nagaannaga aacannnaaa uuacn

25

&lt;210&gt; 112

&lt;211&gt; 25



<212> RNA

<213> Artificial Sequence

<220>

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<220>

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<222> (25)..(25)

<223> n is from 3 to 6 nucleotides having a predetermined sequence such that it base-pairs with n(7)

<220>

<221> misc\_feature

<222> (15)..(15)

<223> n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(17)

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&lt;221&gt; misc\_feature

&lt;222&gt; (17)..(17)

&lt;223&gt; n is at least 3 nucleotides having a predetermined sequence such that it base-pairs with n(15)

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (16)..(16)

&lt;223&gt; n is greater than or equal to 3 nucleotides which represent an oligonucleotide which may be present or absent

&lt;400&gt; 112

nagagnnaga aacannnaua uuacn

25

&lt;210&gt; 113

&lt;211&gt; 50

&lt;212&gt; RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Ribozyme, portion of ribozyme or ribozyme target substrate

&lt;400&gt; 113

acaacaagaa ggcaaccaga gaaacacacg uugugguaua uuaccuggua

50

&lt;210&gt; 114

&lt;211&gt; 56

&lt;212&gt; RNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Ribozyme, portion of ribozyme or ribozyme target substrate

&lt;400&gt; 114

gggagucaca acaagaaggc aaccagagaa acacacguug uggauauua ccuggu

56